

**IN THE SPECIFICATION:**

Please amend the following paragraphs at the beginning of the specification:

--This invention was made with government support under Contract No. DE-FC26-97FT343656  
~~01INT41229~~ awarded by the U.S. Department of Energy. The government has certain rights in  
the invention.

**1. Related Applications**

This application is a continuation-in-part of U.S. patent application Ser. No. \_\_\_\_\_(INSERT  
NUMBER) No. 10/453,076 entitled IMPROVED TRANSDUCER FOR DOWNHOLE  
DRILLING COMPONENTS filed on \_\_\_\_\_(INSERT DATA) on June 3, 2003. --

Please amend the third paragraph on page 17 as follows:

-- Referring to Figure 12, in selected embodiments a transmission element 24 may include an  
electrical conductor 72 helically coiled around a magnetically conductive annular torodial core  
70. One end of the coil 72 may be connected to a conductor 26 or cable 26 for routing along a  
downhole tool 10. The other end of the conductor 72 may be connected to a return path or  
ground. --